



Reservoir 2B Replacement Project

Mitigation Monitoring and Reporting Program

prepared by

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Mitigation Monitoring and Reporting Program

CEQA requires that a reporting or monitoring program be adopted for the conditions of project approval that are necessary to mitigate or avoid significant effects on the environment (Public Resources Code 21081.6). This mitigation monitoring and reporting program is intended to track and ensure compliance with adopted mitigation measures during the project implementation phase. For each mitigation measure recommended in the Final Initial Study-Mitigated Negative Declaration (IS-MND), specifications are made herein that identify the action required, the monitoring that must occur, and the agency or department responsible for oversight.

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification Initial	Compliance Verification Date	Compliance Verification Comments
Biological Resources							
BIO-1: Nesting Birds							
<p>Project-related activities shall occur outside of the bird breeding season (February 1 to August 31) to the extent practicable. If construction must occur within the bird breeding season, then no more than three days prior to initiation of ground disturbance and/or vegetation removal, a nesting bird pre-construction survey shall be conducted by a qualified biologist within the disturbance footprint plus a 300-foot buffer, where feasible. If the proposed project is phased or construction activities stop for more than two weeks during the bird breeding season, a subsequent pre-construction nesting bird survey shall be completed within three days prior to each phase of construction.</p> <p>Pre-construction nesting bird surveys shall be conducted during the time of day when birds are active and shall factor in sufficient time to perform this survey adequately and completely. A report of the nesting bird survey results, if applicable, shall be submitted to SCWD for review and approval prior to ground and/or vegetation disturbance activities.</p> <p>If nests are found, their locations shall be flagged to facilitate avoidance. An appropriate avoidance buffer of 100 feet for passerines, 300 feet for listed bird species, and 500 feet for raptors shall be established by a qualified biologist and demarcated with bright orange construction fencing or other suitable flagging. Active nests shall be monitored at a minimum of once per week until it has been determined that the nest is no longer being used by either the young or adults. No ground disturbance shall occur within this buffer until the qualified biologist confirms the breeding/nesting is completed and all the young have fledged. If project activities must occur within the buffer, they shall be conducted at the discretion of the qualified biologist. If no nesting birds are observed during pre-construction survey, no further action would be necessary.</p>	<ol style="list-style-type: none"> 1. Retain a biologist to conduct a preconstruction nesting bird survey if specified conditions are met 2. Review and approve survey results 3. Field verify compliance with any avoidance requirements, as needed 4. Retain a qualified biologist to monitor active nests, if any 	<ol style="list-style-type: none"> 1. No more than three days prior to the initiation of ground disturbance and vegetation removal during the bird breeding season 2. Prior to ground or vegetation disturbance activities 3. Prior to and during construction activities during the bird nesting season 4. During construction 	<ol style="list-style-type: none"> 1. Once (unless construction activities stop for more than two weeks) 2. Once 3. As needed 4. Minimum of once per week until nest is no longer being used 	South Coast Water District			
Cultural Resources							
CR-1: Unanticipated Discovery of Cultural Resources							
<p>In the unlikely event archaeological resources are unexpectedly encountered during ground-disturbing activities, work in the immediate area shall be halted and an archaeologist meeting the Secretary of the Interior's Professional Qualification Standards for archeology (National Park Service 1983) shall be contacted immediately to evaluate the find. If the find is prehistoric, a Native American representative shall be contacted to participate in the evaluation of the find. If necessary, the evaluation may require preparation of a treatment plan and archaeological testing for California Register of Historical Resources eligibility. If the discovery proves to be eligible for listing in the California Register of Historical Resources and cannot be avoided, additional work, such as testing and data recovery excavations, may be warranted to mitigate any significant impacts to cultural resources to a less-than-significant level.</p>	<ol style="list-style-type: none"> 1. If archaeological resources are encountered, stop work in the immediate area and retain a qualified archaeologist to evaluate the find. 2. If the find is prehistoric, contact a Native American representative to participate in the evaluation of the find. 3. If necessary, review and approve additional work for evaluation efforts and to mitigate any impacts to eligible resources. 	During ground-disturbing activities, as needed and if archaeological resource is identified	As needed	South Coast Water District			
Geology and Soils							
GEO-1: Paleontological Worker Environmental Awareness Program							
<p>Prior to the start of construction, a Qualified Professional Paleontologist, defined as a paleontologist who meets the Society of Vertebrate Paleontology (SVP) standards, or his or her designee shall conduct a paleontological Worker Environmental Awareness Program training for all construction personnel participating in subsurface excavation regarding unanticipated discoveries and the procedures for notifying paleontological staff should fossils be discovered by construction staff. A training acknowledgment form shall be signed by all workers who receive the training and retained by South Coast Water District.</p>	<ol style="list-style-type: none"> 1. Retain a Qualified Professional Paleontologist to conduct paleontological Worker Environmental Awareness Program training. 2. Retain training acknowledgement forms in the project file. 	Prior to the start of construction	Once	South Coast Water District			

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification Initial	Compliance Verification Date	Compliance Verification Comments
GEO-2: Unanticipated Discovery of Paleontological Resources							
In the event a fossil is discovered during construction of the project, excavations within 50 feet of the find shall be temporarily halted or delayed until the discovery is examined by the Qualified Professional Paleontologist in accordance with SVP standards. South Coast Water District shall include a standard inadvertent discovery clause in every construction contract to inform contractors of this requirement. If the find is determined to be significant, the Qualified Professional Paleontologist shall direct all mitigation measures related to paleontological resources and shall design and carry out a data recovery plan consistent with the SVP (2010) standards.	<ol style="list-style-type: none"> 1. Include standard inadvertent discovery clause for paleontological resources in every construction contract. 2. If paleontological resources are encountered, field verify compliance with the 50-foot buffer zone and divert construction equipment. 3. If the find is determined to be significant, review and approve data recovery plan and further mitigation measures, if needed. 	<ol style="list-style-type: none"> 1. Prior to issuance of construction bid packages 2. During ground-disturbing activities, as needed and if paleontological resource is identified 3. During ground-disturbing activities, as needed and if paleontological resource is identified 	<ol style="list-style-type: none"> 1. Once 2. As needed 3. As needed 	South Coast Water District			
Hazards and Hazardous Materials							
HAZ-1: Prevention of Fire Hazards							
During construction of the project, staging areas, welding areas, and areas designated for construction shall be cleared of dried vegetation and other materials that could ignite. Construction equipment with spark arrestors shall be maintained in good working order. In addition, construction crews shall have a spotter during welding and electrical installation activities to minimize potentially dangerous situations, such as accidental sparks. Other construction equipment, including those with hot vehicle catalytic converters, shall be kept in good working order and used only within cleared construction areas. During construction of the project, contractors shall require vehicles and crews to have access to functional fire extinguishers.	<ol style="list-style-type: none"> 1. Include fire prevention measures in contractor specifications. 2. Field-verify implementation of fire prevention measures. 3. Retain records of field inspections in the project files. 	<ol style="list-style-type: none"> 1. Prior to issuance of contractor bid specifications 2. During construction 3. During construction 	<ol style="list-style-type: none"> 1. Once 2. Periodically 3. Once 	South Coast Water District			
Tribal Cultural Resources							
TCR-1: Unanticipated Discovery of Tribal Cultural Resources							
In the event cultural resources of Native American origin are identified during ground-disturbing activities, all earth-disturbing work within 50 feet of the find shall be temporarily suspended or redirected until a qualified archaeologist has evaluated the nature and significance of the find; an appropriate Native American representative(s), based on the nature of the find, is consulted; and mitigation measures are put in place for the disposition and protection of any find pursuant to Public Resources Code Section 21083.2. If South Coast Water District, in consultation with local Native Americans, determines the resource is a tribal cultural resource and thus significant under CEQA, a mitigation plan shall be prepared and implemented in accordance with State guidelines and in consultation with local Native American group(s) prior to continuation of any earth-disturbing work within the vicinity of the find. The plan shall include avoidance of the resource or, if avoidance of the resource is infeasible, shall outline the appropriate treatment of the resource in coordination with the appropriate local Native American tribal representative and, if applicable, a qualified archaeologist. Examples of appropriate mitigation for tribal cultural resources include, but are not limited to, protecting the cultural character and integrity of the resource, protecting traditional use of the resource, protecting the confidentiality of the resource, or heritage recovery.	<ol style="list-style-type: none"> 1. In the event that cultural resources of Native American origin are unexpectedly encountered during ground-disturbing activities, stop work in the immediate area and retain a qualified archaeologist to evaluate the find. 2. Based on the nature of the find, consult with a Native American representative. 3. If necessary, review and approve a mitigation plan. 	During ground-disturbing activities, as needed and if cultural resource of Native American origin is identified	As needed	South Coast Water District			

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